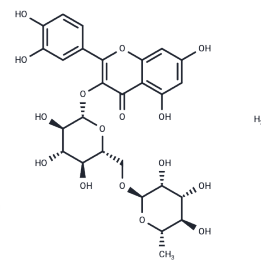


Rutin hydrate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 190836-14-7 |
| Formula: | C ₂₇ H ₃₂ O ₁₇ |
| Molecular Weight: | 628.53 |
| Storage: | Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | Rutin hydrate (Sophorin), a kind of glycoside, widely exists in many plants including citrus fruit. |
| Targets(IC50) | Apoptosis, Beta Amyloid, Endogenous Metabolite, Autophagy |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 60 mg/mL (95.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.18 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.591 mL | 7.9551 mL | 15.9101 mL |
| 5 mM | 0.3182 mL | 1.591 mL | 3.182 mL |
| 10 mM | 0.1591 mL | 0.7955 mL | 1.591 mL |
| 50 mM | 0.0318 mL | 0.1591 mL | 0.3182 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mostafa D G , Khaleel E F , Badi R M , et al. Rutin hydrate inhibits apoptosis in the brains of cadmium chloride-treated rats via preserving the mitochondrial integrity and inhibiting endoplasmic reticulum stress[J]. Neurological Research, 2019:1-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481